

Declaration for Utility or Design Patent Application

I, the undersigned, being a resident alien within the United States of America, do hereby declare that I am the inventor of the invention herein described, and that I am the owner of the same, and that I am the owner of the right to make, use, and vend the same throughout the United States of America, and that I am the owner of the right to make, use, and vend the same throughout the United States of America, and that I am the owner of the right to make, use, and vend the same throughout the United States of America.

ORIENTATION AND POSITION SENSOR

The following is a full and complete description of the invention herein described, and of the manner in which the same is to be used, and of the best mode in which the same can be carried into effect, and of the advantages thereof, and of the manner in which the same is to be used, and of the best mode in which the same can be carried into effect, and of the advantages thereof, and of the manner in which the same is to be used, and of the best mode in which the same can be carried into effect, and of the advantages thereof.

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Charles J. Vann

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Applicant CHARLES S VANN

Inventor

ORIENTATION AND POSITION SENSOR

Serial Entry Date: 6/27/2001 Independence: Inventor(s)

Abstract: A sensor system for determining orientation and position of a device relative to a reference point. The system includes a sensor unit and a processing unit. The sensor unit includes a gyroscope and an accelerometer. The processing unit includes a microprocessor and a memory. The microprocessor is configured to receive data from the sensor unit and to process the data to determine orientation and position of the device. The memory is configured to store the data and the results of the processing.

Claims: 1. A sensor system for determining orientation and position of a device relative to a reference point, comprising: a sensor unit; and a processing unit; wherein the sensor unit includes a gyroscope and an accelerometer; and wherein the processing unit includes a microprocessor and a memory; and wherein the microprocessor is configured to receive data from the sensor unit and to process the data to determine orientation and position of the device; and wherein the memory is configured to store the data and the results of the processing.

2. The sensor system of claim 1, wherein the microprocessor is configured to receive data from the sensor unit and to process the data to determine orientation and position of the device.

3. The sensor system of claim 1, wherein the memory is configured to store the data and the results of the processing.

4. The sensor system of claim 1, wherein the sensor unit is a handheld device.

5. The sensor system of claim 1, wherein the processing unit is a computer system.

6. The sensor system of claim 1, wherein the sensor unit is a handheld device.

7. The sensor system of claim 1, wherein the processing unit is a computer system.

8. The sensor system of claim 1, wherein the sensor unit is a handheld device.

9. The sensor system of claim 1, wherein the processing unit is a computer system.

Charles S. Vann

6/27/2001

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